

# FIRST ALARM - FOUR STORY FIRE DEPARTMENT

## GENERAL NOTES

- 1) THIS INFORMATION CONFORMS TO ALL APPLICABLE STANDARDS FOR FIRE TRAINING SIMULATORS AT THE TIME OF PREPARATION.
- 2) THE ERECTION CONTRACTOR ASSUMES RESPONSIBILITY FOR ALL MATERIALS, AT THE TIME OF DELIVERY. THIS CONTRACTOR IS ALSO RESPONSIBLE TO ACCOUNT FOR ALL MATERIAL, AT TIME OF DELIVERY. IF THERE IS A DISCREPANCY IN THE MATERIAL DELIVERED, CONTACT WHP TRAININGTOWERS IMMEDIATELY IN ORDER TO MAKE PROPER ARRANGEMENTS TO PROVIDE THE NECESSARY MATERIAL.
- 3) THIS SET OF DRAWINGS IS INTENDED AS A CONCEPTUAL SET, PROVIDED FOR SECONDARY REFERENCE ONLY. REFER TO BEHLEN INDUSTRIES CONSTRUCTION DRAWINGS AND THE MISCELLANEOUS METALS DRAWINGS AS PRIMARY REFERENCE FOR EXACT MATERIAL DIMENSIONS, ERECTION, AND PROCEDURES.
- 4) THESE DRAWINGS, SPECIFICATIONS, IDEAS, DESIGNS, AND ARRANGEMENTS ARE AND SHALL REMAIN THE PROPERTY OF WHP TRAININGTOWERS AND NO PART THERE OF SHALL BE COPIED, REPRODUCED, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT WRITTEN CONSENT FROM WHP TRAININGTOWERS.
- 5) WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. INSTALLING CONTRACTORS OR OWNERS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND WHP TRAININGTOWERS SHALL BE NOTIFIED IMMEDIATELY OF ANY VARIATIONS OR DISCREPANCIES FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. ANY FIELD CHANGES OR MODIFICATIONS TO EITHER THE STRUCTURE OR ADDITIVE COMPONENTS MUST BE REPORTED AND APPROVED BY WHP TRAININGTOWERS PRIOR TO PERFORMING ANY WORK.
- 6) MISCELLANEOUS FIELD CUTTING AND FITTING OF BOTH STRUCTURAL AS WELL AS LIGHT GAUGE FRAMING COMPONENTS WILL BE NECESSARY TO BE ABLE TO PERFORM THE INSTALLATION PROCEDURES REQUIRED AND WILL BE CONSIDERED AS A STANDARD CONDITION AND REQUIREMENT FOR ERECTION OF THIS LIVE FIRE TRAINING SIMULATOR AND ITS COMPONENTS.
- 7) DOORS SHALL BE PAINTED 11 GA STEEL REINFORCED WITH STEEL CHANNEL. EACH EXTERIOR NON-BURN ROOM DOOR SHALL BE PROVIDED WITH (1) HEAVY-DUTY STAINLESS STEEL CONTINUOUS HINGE AND (1) COMMERCIAL GRADE KEYS LOCKSET. EACH INTERIOR NON-BURN ROOM DOOR SHALL BE PROVIDED WITH (1) HEAVY-DUTY STAINLESS STEEL CONTINUOUS HINGE AND (1) COMMERCIAL GRADE PASSAGE SET. EACH BURN ROOM DOOR SHALL BE PROVIDED WITH (1) HEAVY-DUTY STAINLESS STEEL CONTINUOUS HINGE, (1) SPRING-TYPE CLOSING DEVICE, (1) DOOR PULL, (1) ROLLER CATCH, AND (1) HASP FOR USE IN SECURING THE BUILDING WHEN NOT IN USE. ANY DOUBLE DOORS SHALL BE PROVIDED WITH (1) METAL ASTRIGAL, (1) INACTIVE LEAF, AND (1) CANE BOLT. DOOR HINGES SHALL BE MOUNTED TO STUDS A MINIMUM OF 4" X 12 GA. ALL FRAMED DOOR OPENINGS THAT DO NOT SIT ON THE CONCRETE STEM WALL SHALL EXTEND 6" FROM THE BOTTOM OF DOOR SLAB TO PROVIDE A 6" OPENING UNDER THE DOOR. ALL DOORS SHALL HAVE (1) HIGH-TEMP DOOR SWEEP INSTALLED ON THE OUTSWING SIDE OF THE DOOR TO COVER THE 6" OPENING. THE DOOR SWEEP SHALL DRAG AGAINST THE FINISHED FLOOR LEVEL.
- 8) WINDOW CLOSURES SHALL BE PAINTED 12 GA HOT-DIPPED GALVANIZED SINGLE LEAVES WITH A 1" DEEP PAN FRAME DESIGN. EACH NON-BURN ROOM CLOSURE ACCESSIBLE FROM THE GROUND SHALL BE PROVIDED WITH (1) STAINLESS STEEL CONTINUOUS HINGE, (1) SLAM LATCH, (1) KEYS LEVER ON THE EXTERIOR SIDE OF THE CLOSURE, (1) PASSAGE LEVER ON THE INTERIOR SIDE OF THE CLOSURE, AND (1) HOLD-OPEN DEVICE. EACH NON-BURN ROOM CLOSURE NOT ACCESSIBLE FROM THE GROUND SHALL BE PROVIDED WITH (1) STAINLESS STEEL CONTINUOUS HINGE, (1) SLAM LATCH, (1) PASSAGE LEVER ON THE EXTERIOR SIDE OF THE CLOSURE, (1) PASSAGE LEVER ON THE INTERIOR SIDE OF THE CLOSURE, AND (1) HOLD-OPEN DEVICE. EACH BURN ROOM CLOSURE SHALL BE PROVIDED WITH ONE OF THE ABOVE HARDWARE SETS AND SHALL INCLUDE (3) "PADGENITE" MOUNTING CHANNELS WELDED ON THE INTERIOR SIDE OF THE CLOSURE. ALL CLOSURES SHALL BE INSTALLED WITH EQUAL SPACING BETWEEN THE FRAMED OPENING AND THE CLOSURE PAN. ALL SILL ELEVATIONS SHALL BE 42" ABOVE FINISHED FLOOR ELEVATION.
- 9) FLOOR DECKS ABOVE GRADE SHALL BE CONCRETE OVER GALVANIZED 1.5" "C" DECK FASTENED DIRECTLY TO LEVEL FLOOR JOISTS PER THE BEHLEN INDUSTRIES CONSTRUCTION DRAWINGS. ALL FLOOR DECKS SHALL REQUIRE FIELD CUTTING AND FITTING AS REQUIRED TO ACCOMMODATE THE BUILDING CONFIGURATION. CONCRETE FILL SHALL BE PROVIDED OVER THE "C" DECK WITH MINIMUM 4" DEPTH AT THE EXTERIOR WALLS. CONCRETE SHALL BE A SMALL AGGREGATE CONCRETE WITH FIBER MESH REINFORCING. CONCRETE SHALL BE PITCHED TO EXTERIOR WALLS AND/OR DRAINS. FINISH SHALL BE A SLIP RESISTANT FINISH. (CONCRETE FILL BY OTHERS)
- 10) ALL CORRUGATED WALL PANELS ARE TO BE PREFINISHED IN ONE OF 9 STANDARD COLORS. COMPOUND CORRUGATED WALL PANELS ARE 3'-5" WIDE AND 4 1/2" DEEP. COMPOUND CORRUGATED ROOF PANELS ARE TO BE GALVANIZED 3'-5" WIDE AND 7 1/2" DEEP. ALL WALL AND ROOF PANELS ARE TO BE BOLTED AT 6' O.C. INCREMENTS UTILIZING 3/8" DIAMETER BOLT FASTENERS PROVIDED IN A COLOR TO MATCH THE WALL OR ROOF PANEL COLOR.
- 11) ALL INTERIOR WALL PARTITIONS SHALL BE CONSTRUCTED OF 4" X 18 GA GALVANIZED METAL STUDS AT 24" O.C. AND 4-1/8" X 18 GA GALVANIZED METAL TRACK. STUDS AT DOOR JAMB HINGES SHALL BE 4" X 12 GA. ALL SIDES OF INTERIOR PARTITIONS NOT RECEIVING BURN ROOM PANELS SHALL RECEIVE 18 GA GALVANIZED SHEETING FASTENED WITH #8 X 5/8" LOW PROFILE TEK SCREWS AT 12" O.C.

## DESIGN LOADS

ROOF LOAD -- 100 PSF  
 FLOOR LOAD -- 100 PSF  
 ATTIC LOAD -- 100 PSF  
 WIND LOAD -- -- MPH  
 WIND EXPOSURE -- --

WINDOW SHUTTER HARDWARE PACKAGES							
MARK #	DESCRIPTION	ROUGH OPENING	SHUTTER LEAF	LOCKING HANDLE KIT	NON-LOCKING HANDLE KIT	HOLD OPEN	THERMAL L'NING CHANNELS
W1	LOCKING WINDOW SHUTTER	38"x49"	1	1		1	
W2	LOCKING BURN ROOM SHUTTER	38"x49"	1	1		1	1
W3	LOCKING ATTIC SHUTTER	38"x37"	1	1		1	
W4	NON-LOCKING WINDOW SHUTTER	38"x49"	1		1	1	
W5	NON-LOCKING BURN ROOM SHUTTER	38"x49"	1		1	1	1
W6	NON-LOCKING ATTIC SHUTTER	38"x37"	1		1	1	

DOOR HARDWARE PACKAGES														
MARK #	DESCRIPTION	ROUGH OPENING	DOOR LEAF	INACTIVE LEAF	STAINLESS STEEL HINGE	DOOR SWEEP	DOOR SWEEP MOUNT KIT	DOOR KNOB PLATE	LOCKING KNOB SET	PASSING KNOB SET	BURN DOOR KIT	SLIDE LATCH	BARREL BOLT	CANE BOLT
D1	EXTERIOR SINGLE PLATE DOOR	38"x91"	1		1	1	1	1	1					
D2	EXTERIOR SINGLE BURN ROOM DOOR	38"x91"	1		1	1	1	1			1	1		
D3	EXTERIOR DOUBLE PLATE DOOR	79"x91"	1	1	2	2	2	1	1			1	1	1
D4	EXTERIOR DOUBLE BURN ROOM DOOR	79"x91"	1	1	2	2	2				1	1	1	1
D5	INTERIOR SINGLE PLATE DOOR	38"x91"	1		1	1	1	1		1				
D6	INTERIOR SINGLE BURN ROOM DOOR	38"x91"	1		1	1	1				1	1		
D7	INTERIOR DOUBLE PLATE DOOR	79"x91"	1	1	2	2	2	1		1			1	1
D8	INTERIOR DOUBLE BURN ROOM DOOR	79"x91"	1	1	2	2	2				1	1	1	1

# 1ST ALARM - FOUR STORY FIRE TRAINING SIMULATOR

FIRE DEPARTMENT TRAINING SIMULATOR

**WHP**  
 A DIV. OF JAHNKE AND SONS CONSTRUCTION, INC.  
 519 DUCK RD GRANDVIEW, MO 64030  
 TEL. 913-385-3663 info@trainingtowers.com  
 TOLL FREE 1-800-351-2525 www.trainingtowers.com

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PROJECT NUMBER: 00-14-000 REVISION DATES:

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

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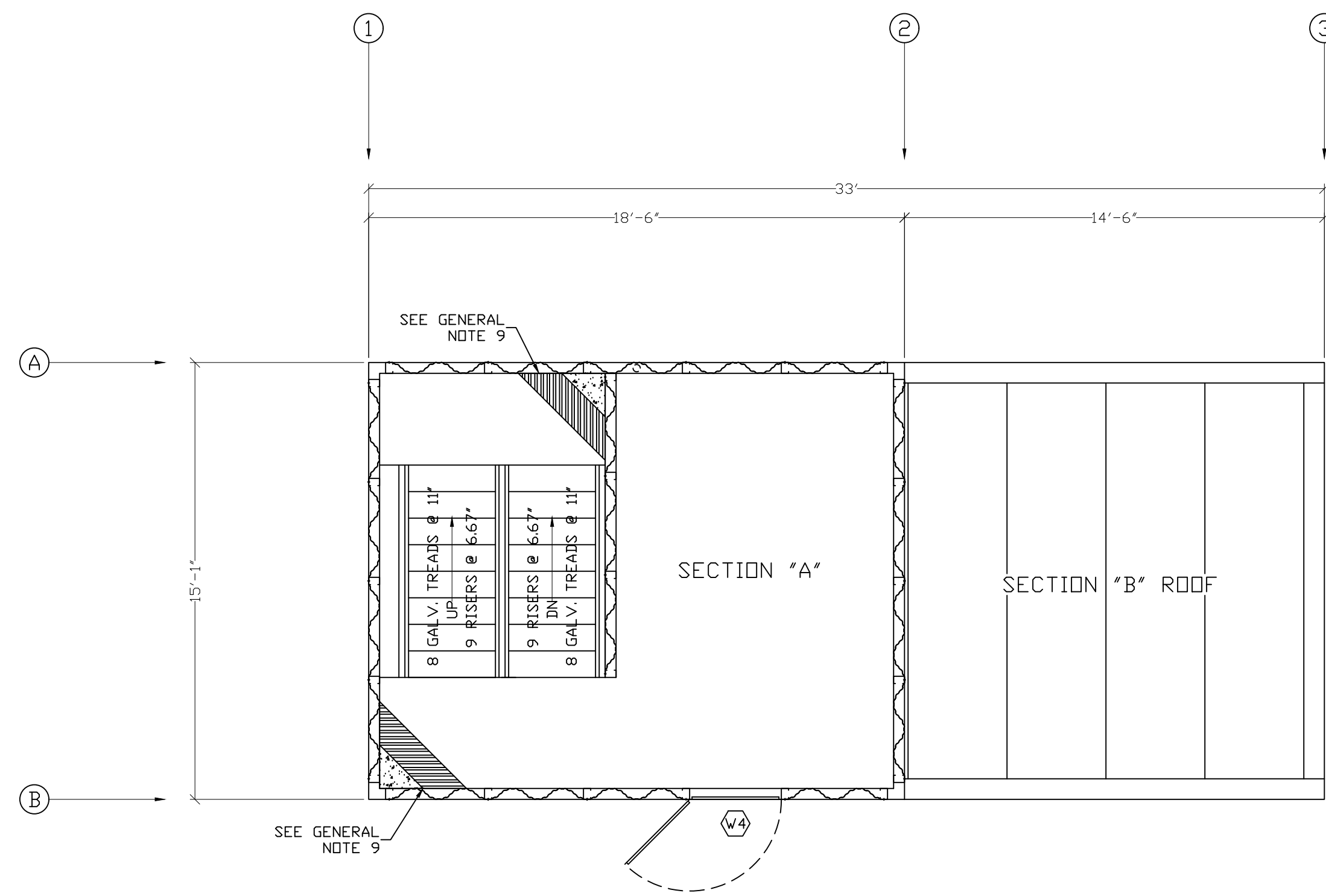
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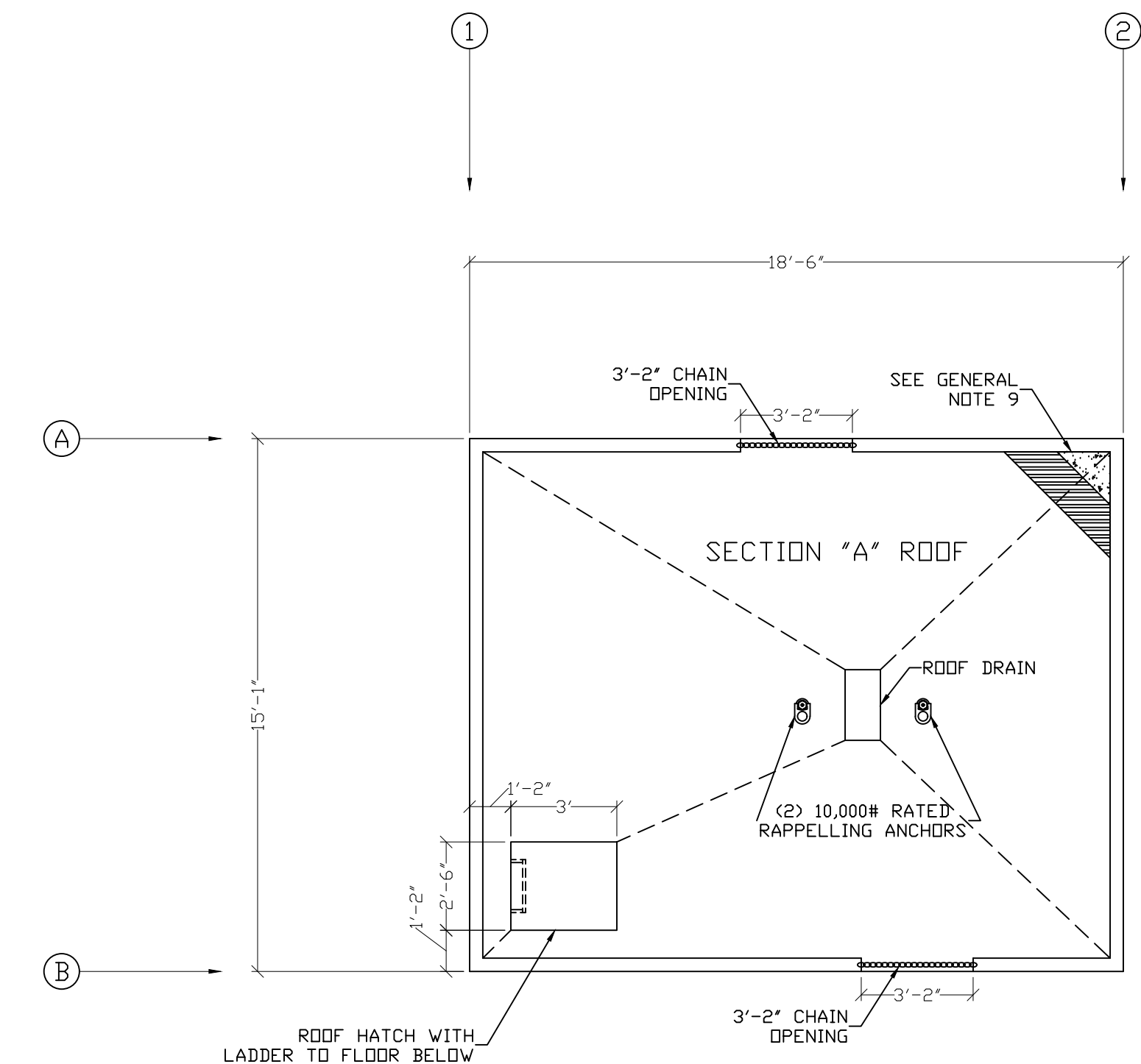
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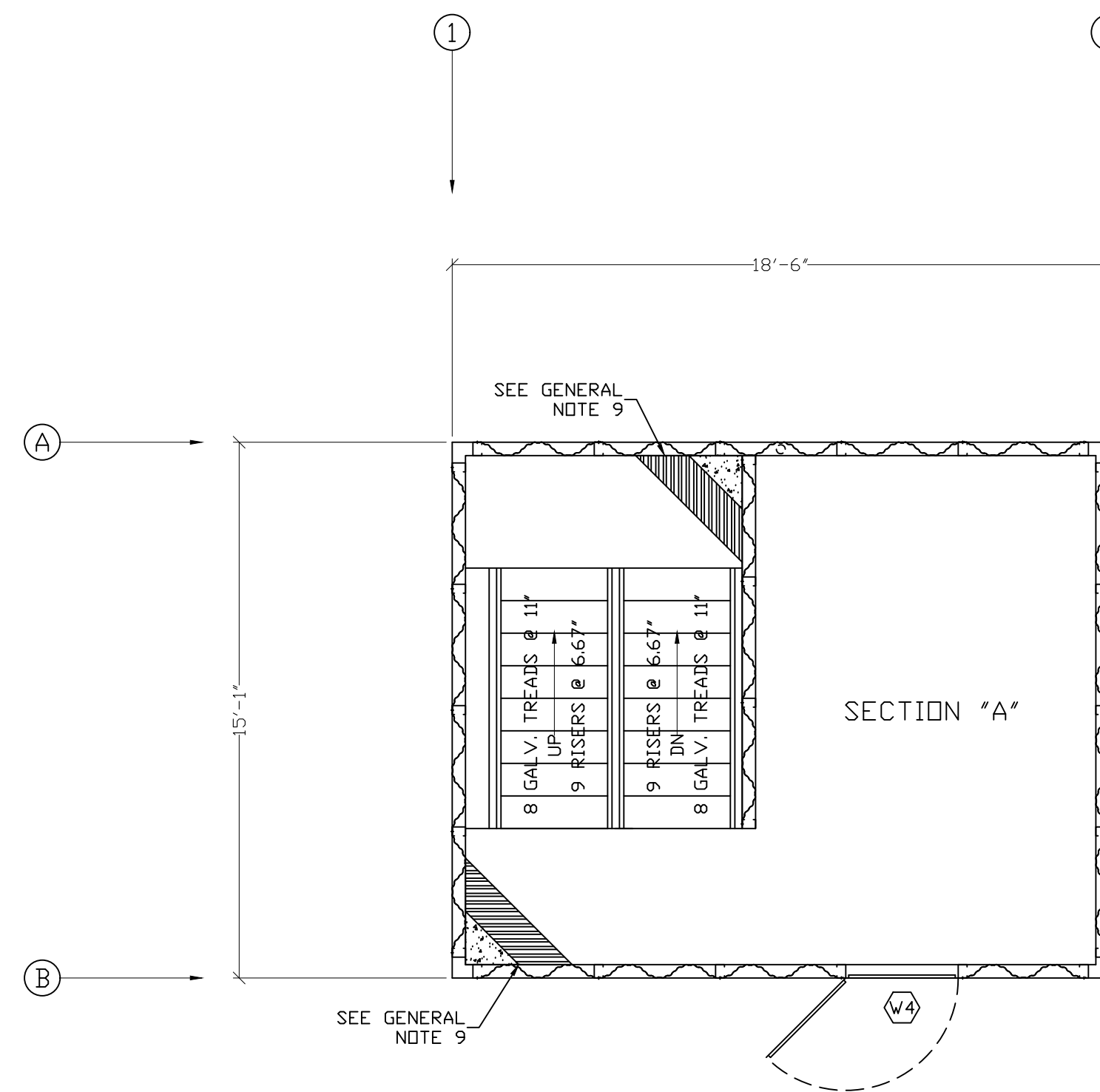
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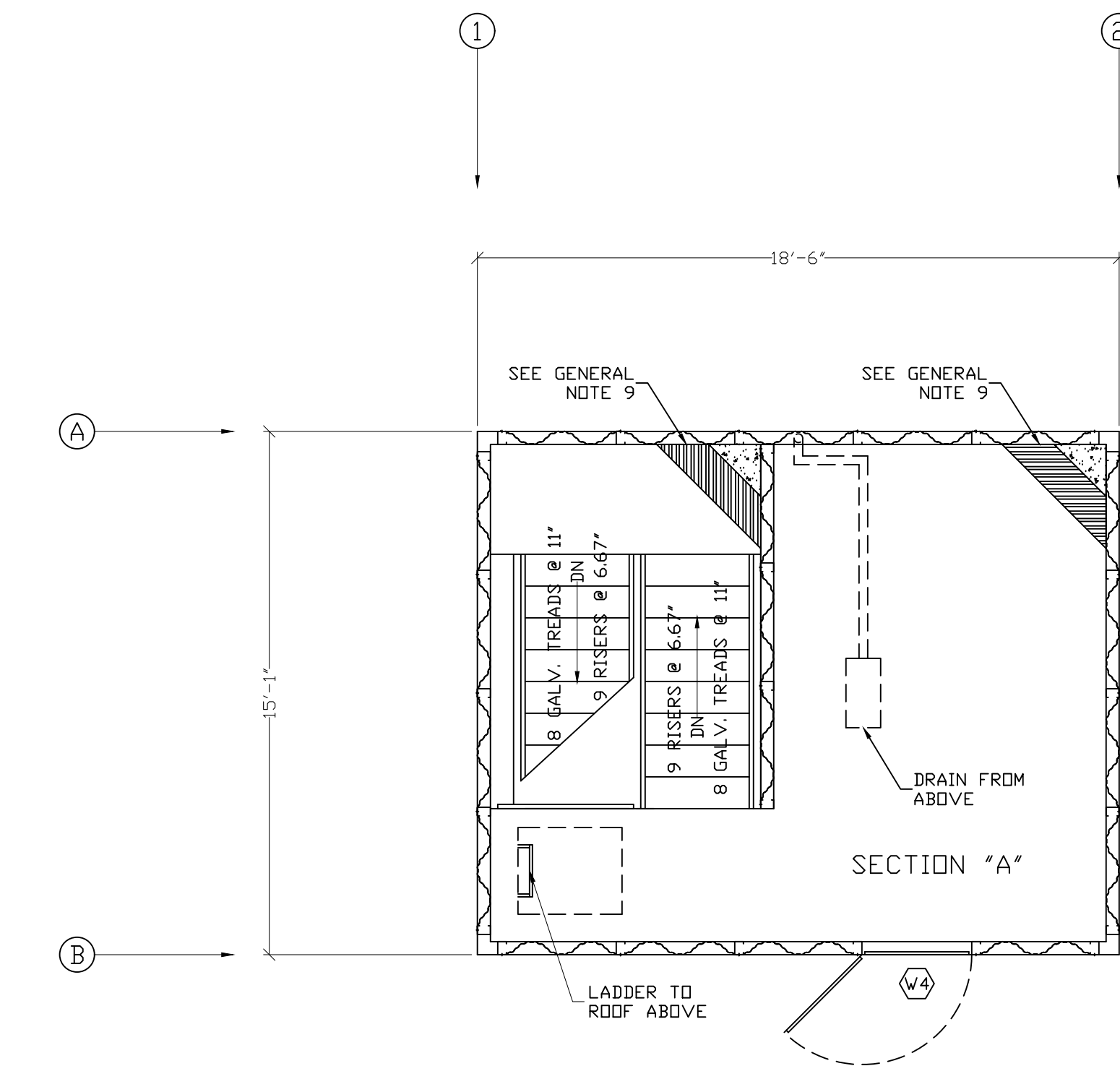
TOWER 2ND FLOOR PLAN AND ANNEX ROOF PLAN  
SCALE: 1/4" = 1'-0"



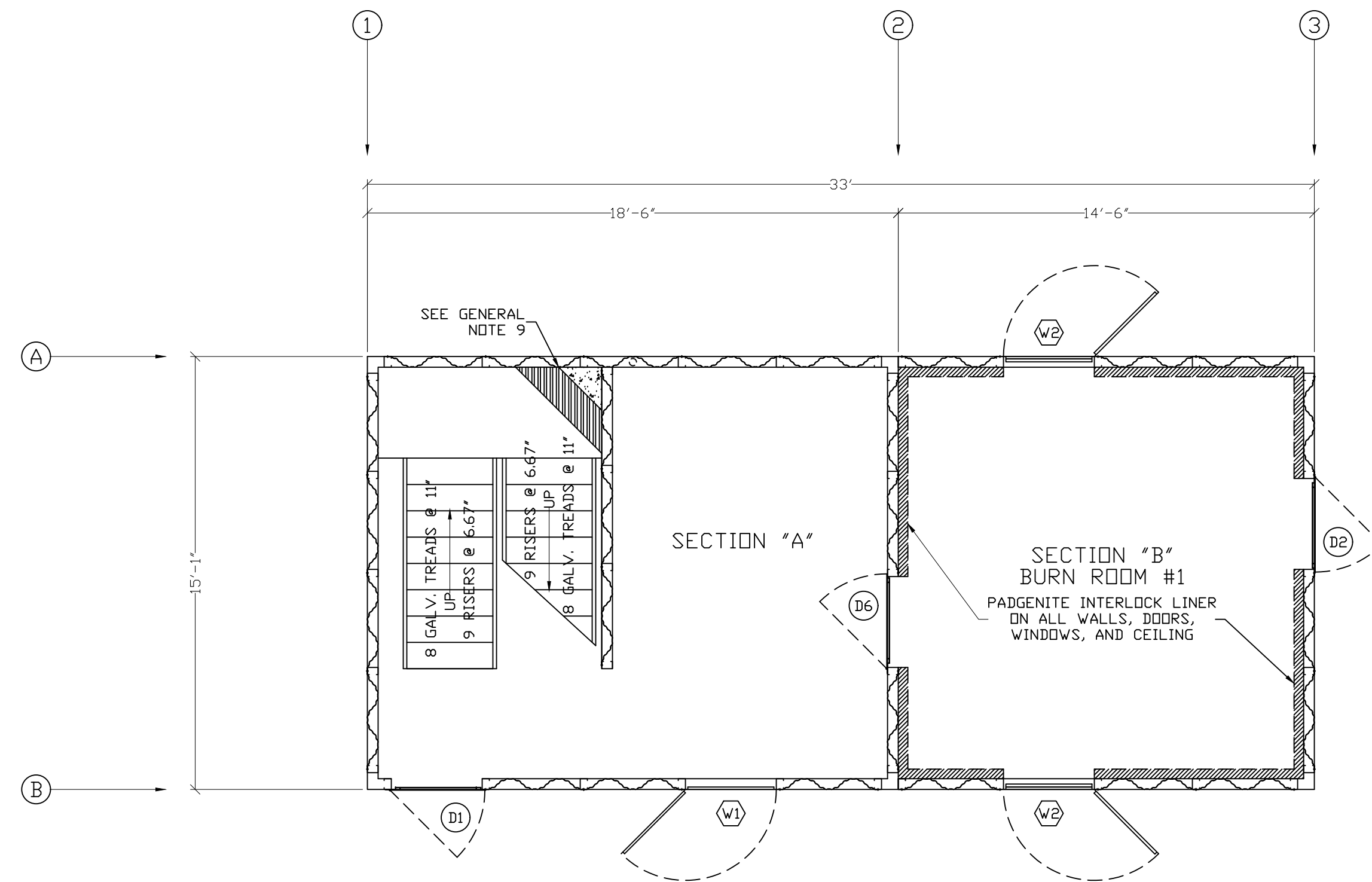
TOWER ROOF PLAN  
SCALE: 1/4" = 1'-0"



TOWER 3RD FLOOR PLAN  
SCALE: 1/4" = 1'-0"



TOWER 4TH FLOOR PLAN  
SCALE: 1/4" = 1'-0"



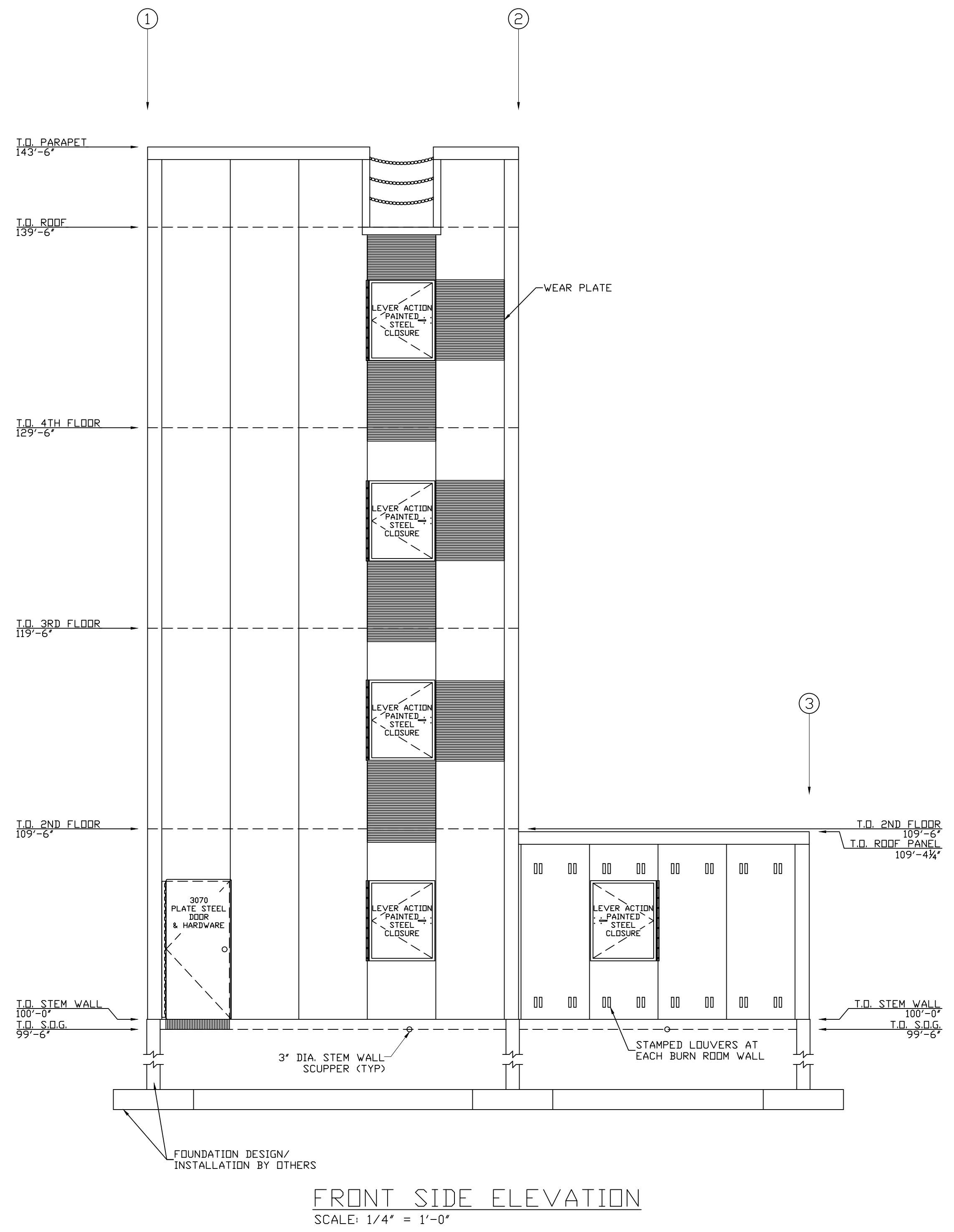
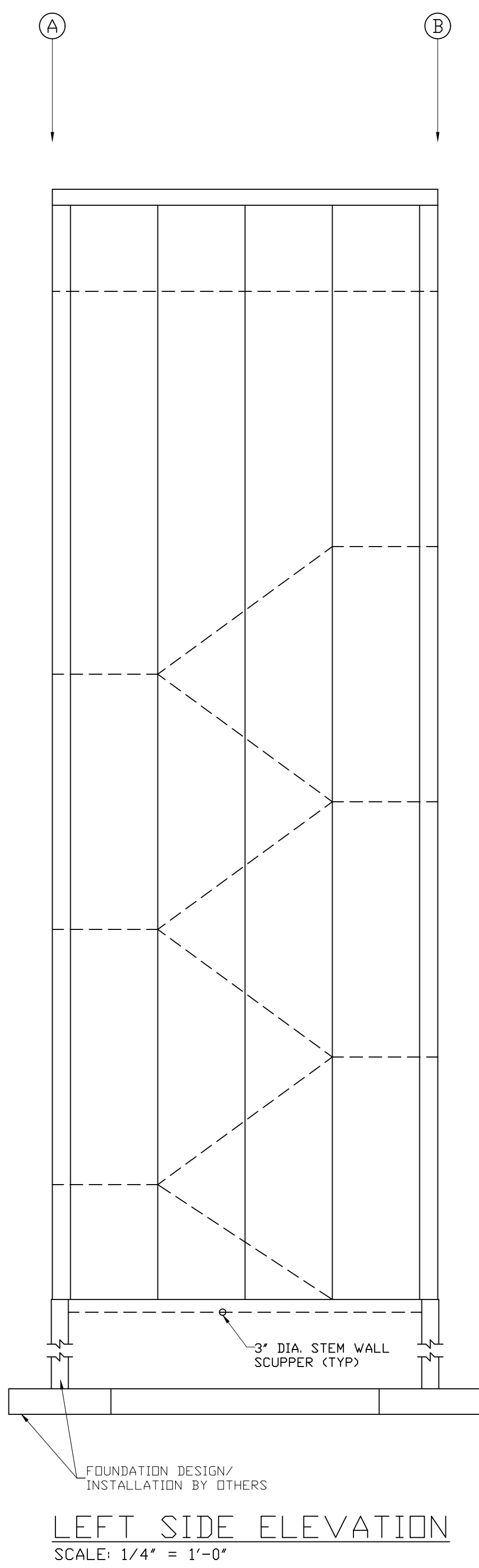
TOWER AND ANNEX 1ST FLOOR PLAN  
SCALE: 1/4" = 1'-0"

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PROJECT NUMBER:	00-14-000	REVISION DATE:
PROJECT ERECTOR:	JCM	1
DRAWN BY:	JKP	2
REVIEWED BY:		3
PRINT DATE:	00-00-00	4

FLOOR PLANS

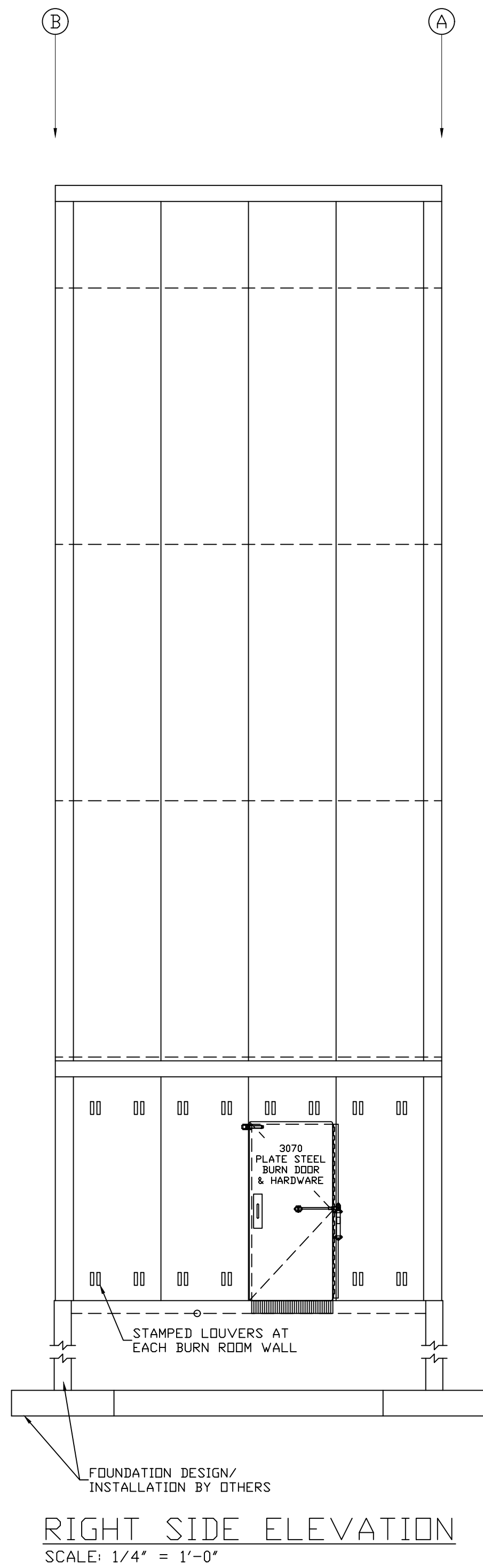


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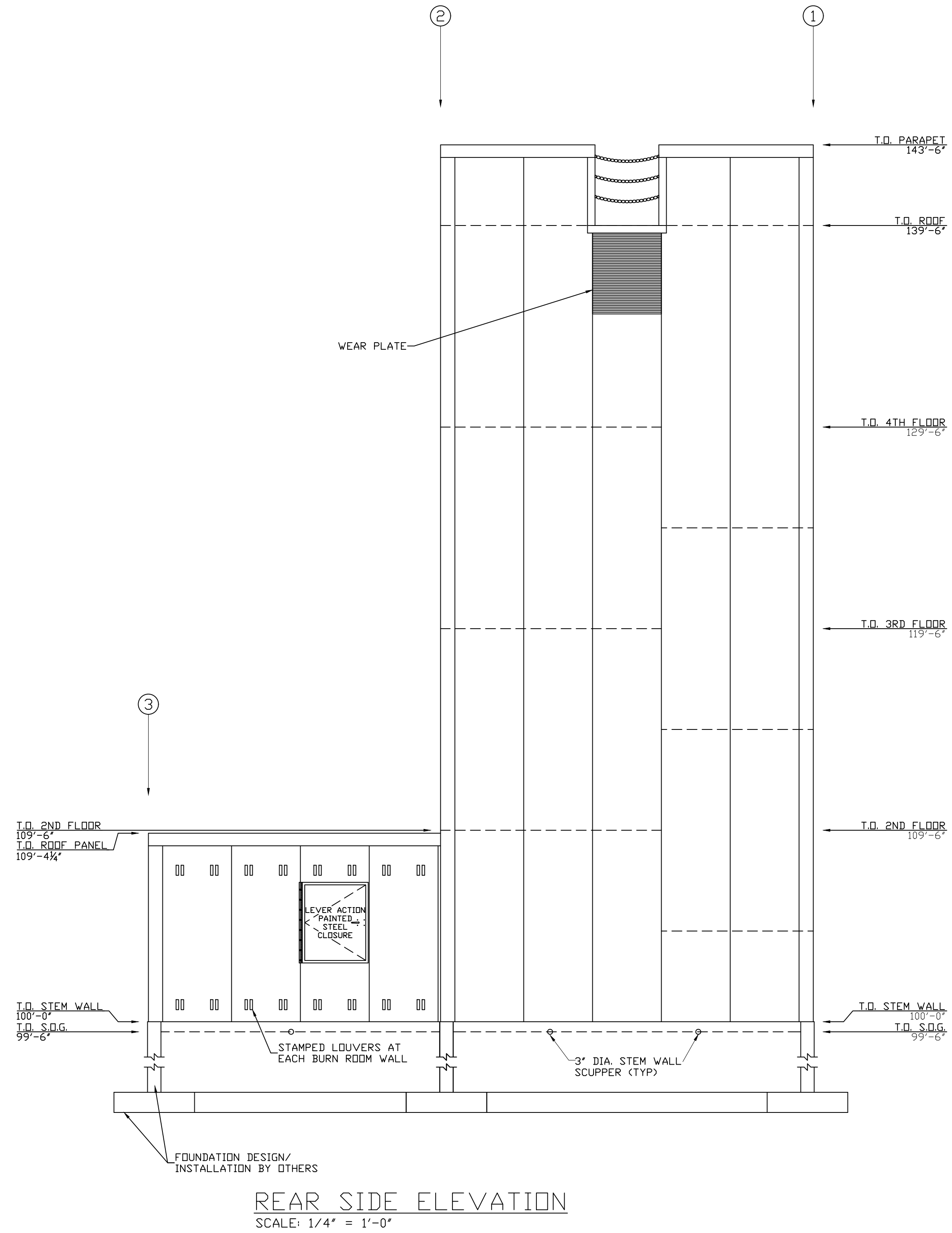
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PROJECT ERECTOR:	JCM	1	
DRAWN BY:	JKK	2	
REVIEWED BY:		3	
FRONT DATE:	00-00-00	4	

FRONT SIDE  
 AND LEFT SIDE  
 ELEVATIONS



**RIGHT SIDE ELEVATION**  
SCALE: 1/4" = 1'-0"



**REAR SIDE ELEVATION**  
SCALE: 1/4" = 1'-0"

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DRAWN BY:	JKK	2
REVIEWED BY:		3
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REAR SIDE AND RIGHT SIDE ELEVATIONS